



Appl. No. 09 / 602,775
 Amdt. Dated August 11, 2003
 Reply to Office Action of April 9, 2003
 Replacement Sheet

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Figure 2

BOVINE	1	MVKSHI GS WI LVL FVA MWS DV GLC K K RPK P G G G WNT G G S RYP G Q G S P G G N R Y P P Q G G G W
MAN	1	- - M A N L G C W M L V L F V A T W S D L G L C K K R P K P G G - W N T G G S R Y P G Q G S P G G N R Y P P Q G G G W
SHEEP	1	MVKSHI GS WI LVL FVA MWS DV GLC K K RPK P G G G WNT G G S R Y P G Q G S P G G N R Y P P Q G G G W
MOUSE	1	- - M A N L G Y W L L A L F V T M W T D V G L C K K R P K P G G - W N T G G S R Y P G Q G S P G G N R Y P P Q G G G W
HAMSTER	1	- - M A N L S Y W L L A L F V A M W T D V G L C K K R P K P G G - W N T G G S R Y P G Q G S P G G N R Y P P Q G G - T W
BOVINE	61	G Q P H G G G W G Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W
MAN	58	G Q P H G G G W G Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W
SHEEP	61	G Q P H G G G W G Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W
MOUSE	57	G Q P H G G G W G Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W
HAMSTER	58	G Q P H G G G W G Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W Q P H G G G W
BOVINE	120	M K H V A G A A A A G A V V G G L G G Y M L G S A M S R P L I H F G S D Y E D R Y R E N M H R Y P N Q V Y Y R P V D Q
MAN	109	M K H M A G A A A A A G A V V G G L G G Y M L G S A M S R P I I H F G S D Y E D R Y R E N M H R Y P N Q V Y Y R P V D Q
SHEEP	112	M K H V A G A A A A G A V V G G L G G Y M L G S A M S R P L I H F G S D Y E D R Y R E N M H R Y P N Q V Y Y R P V D Q
MOUSE	108	L K H V A G A A A A G A V V G G I G G Y M L G S A V S R P M I H F G N D W E D R Y R E N M Y R Y P N Q V Y Y R P V D Q
HAMSTER	109	M K H M A G A A A A G A V V G G L G G Y M L G S A M S R P M M H F G N D W E D R Y R E N M N R Y P N Q V Y Y R P V D Q
BOVINE	180	Y S N Q N N F V H D C V N I T V K E H T V T T T T K G E N F T E T D I K M M E R V V E Q M C I T O Y O R E S O A
MAN	169	Y S N Q N N F V H D C V N I T I K Q H T V T T T T K G E N F T E T D V K M M E R V V E Q M C I T O Y E R E S Q A
SHEEP	172	Y S N Q N N F V H D C V N I T V K Q H T V T T T T K G E N F T E T D I K I M E R V V E Q M C I T Q Y Q R E S Q A
MOUSE	168	Y S N Q N N F V H D C V N I T I K Q H T V T T T T K G E N F T E T D V K M M E R V V E Q M C V T Q Y Q K E S Q A
HAMSTER	169	Y N N Q N N F V H D C V N I T I K Q H T V T T T T K G E N F T E T D I K I M E R V V E Q M C T T Q Y Q K E S Q A
BOVINE	239	- R G A S V I L F S S P P V I L L I S F L I F L I V G
MAN	228	- R G S S M Y L F S S P P V I L L I S F L I F L I V G
SHEEP	231	- R G A S V I L F S S P P V I L L I S F L I F L I V G
MOUSE	228	R R S S S T V L F S S P P V I L L I S F L I F L I V G
HAMSTER	229	- R R S S A V L F S S P P V I L L I S F L I F L M V G



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BOVINE	1	MVKSHI DS WI LYLEVAMWSDV G C L K K R P F P G G W N T U G S S Y P Q Q S F C Q N R S F F F G G G G W
MAN	1	- - - M A N I U C W M V I V P L V A T W S D U G L C K K K R P F P G G W N T O G S R Y P Q Q S F G G N R Y P P Q Q Q U W
SHEEP	1	MVKSHI DS WI LYLEVAMWSDV G C L K K K R P F P G G W N T O G S R Y P Q Q S F G G N R Y P P Q Q Q U W
MOUSE	1	- - - M A N I U Y W L I A L F V T M W T D V U L C K K K R P F P G G W N T O G S R Y P Q Q S F G G N R Y P P Q Q Q U W
HAMSTER	1	- - - M A N I S V W L I A L F V A M W T D V U L C K K K R P F P G G W N T O G S R Y P Q Q S F G G N R Y P P Q Q Q U W
BOVINE	61	G Q P H G G G W Q Q P H G G G Q P H G G W Q G W Q P H G G W Q G W Q P H G G W Q G W Q P H G G W Q G G G T H Q Q W N K P S K P K T W
MAN	51	G Q P H G G G W Q Q P H G G G Q P H G G W Q G W Q P H G G W Q G W Q P H G G W Q G W Q P H G G W Q G G G T H Q Q W N K P S K P K T W
SHEEP	61	G Q P H G G G W Q Q P H G G G Q P H G G W Q G W Q P H G G W Q G W Q P H G G W Q G W Q P H G G W Q G G G T H Q Q W N K P S K P K T W
MOUSE	51	G Q P H G G G W Q Q P H G G G Q P H G G W Q G W Q P H G G W Q G W Q P H G G W Q G W Q P H G G W Q G G G T H Q Q W N K P S K P K T W
HAMSTER	51	G Q P H G G G W Q Q P H G G G W Q G W Q P H G G W Q G W Q P H G G W Q G W Q P H G G W Q G G G T H Q Q W N K P S K P K T W
BOVINE	120	M K H V A G A A A A G A V Y G G L G G Y M L G S A M S R E M L I H F G R Y R D P R E T E N M R Y P N Q V E P V D C
MAN	109	M K H M A D A A A A G A V Y G G L G G Y M L G S A M S R E P I I U P U S C Y E E D R E T E N M R Y P N Q V E P V D C
SHEEP	116	M K H V A G A A A A A G A V Y G G L G G Y M L G S A M S R E M L I H F G R Y R D P R E T E N M R Y P N Q V E P V D C
MOUSE	101	L K H V A G A A A A A G A V Y G G L G G Y M L G S A V S R E M I H F G R Y R D P R E T E N M R Y P N Q V E P V D C
HAMSTER	104	M K H M A D A A A A G A V Y G G L G G Y M L G S A M S R E M M R F G R Y R D P R E T E N M R Y P N Q V E P V D C
BOVINE	190	Y S N G N N P V H D C V N I T K H T V T T T T K G E N F T C D C K M M R V V U C M C I T O Y O R E S Q A G
MAN	185	Y S N G N N P V H D C V N I T I K Q H T V T T T T K G E N F T C D D V K M M R V V U C M C I T O Y O R E S Q A G
SHEEP	172	Y S N G N N P V H D C V N I T V K Q H T V T T T T K G E N F T C D D K I M E R V U C M C I T O Y O R E S Q A G
MOUSE	163	Y S N G N N P V H D C V N I T I K Q H T V T T T T K G E N F T C D D K I M E R V U C M C I T O Y O R E S Q A G
HAMSTER	166	Y N N O V V V V H D C V N I T I K Q H T V T T T T K G E N F T C D D K I M E R V U C M C I T O Y O R E S Q A G
BOVINE	230	- R G A S V I L T S S P V I L I I S P L I F I L I V G
MAN	215	- R G S S X V L F S S P P V I L I I S P L I F I L I V G
SHEEP	211	- R G A S V I L T S S P P V I L I I S P L I F I L I V G
MOUSE	226	- R G S S X V I L T S S P P V I L I I S P L I F I L I V G
HAMSTER	229	- R G S S A V L E S S P V I L I I S P L I F I L I V G

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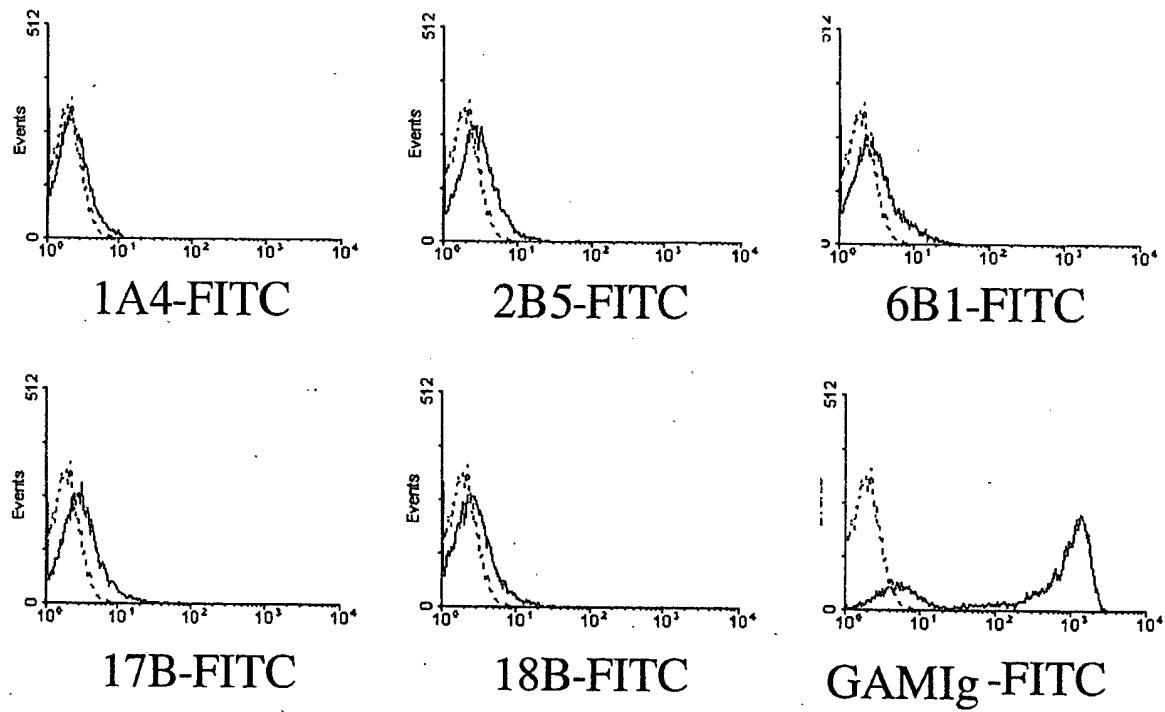




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Figure 13





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Figure 13

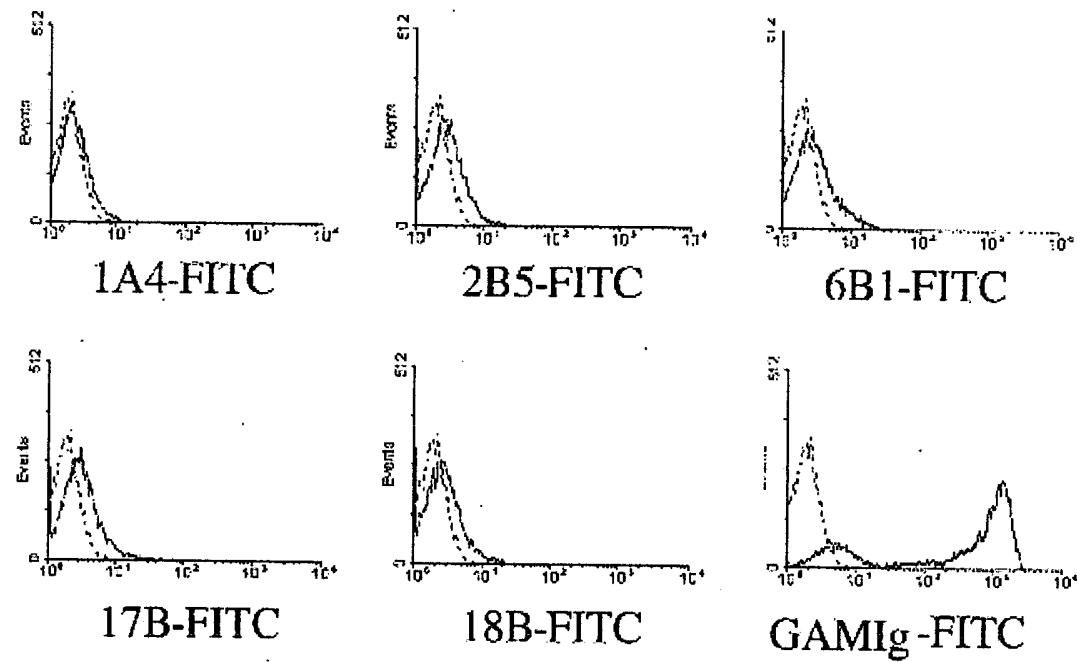
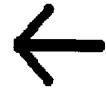


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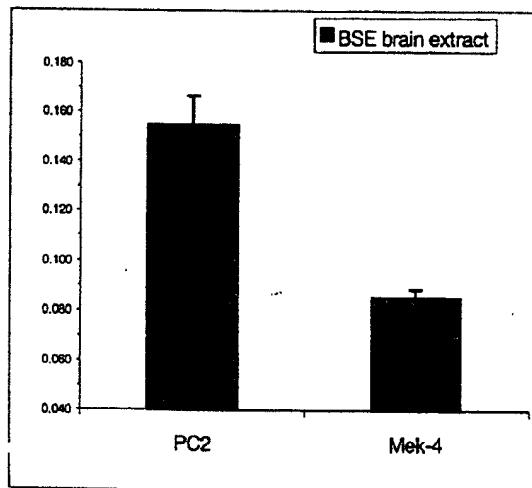
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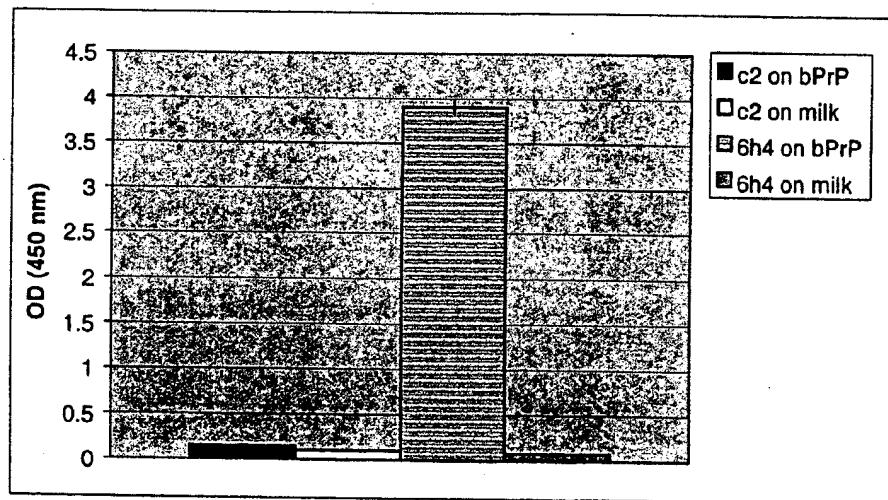
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Figure 16

A



B





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Figure 16

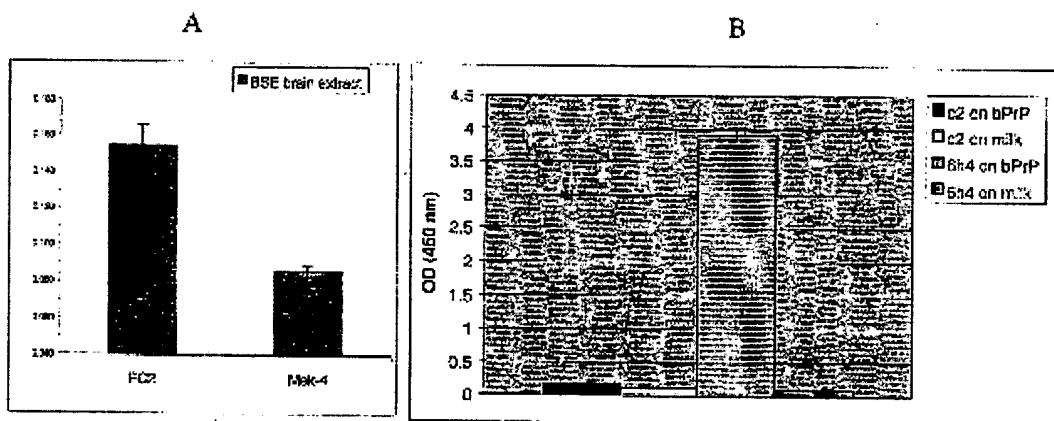


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